Penelope Prochnow

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Portfolio: https://pennlope.github.io/resume-website/#Port%20folio

Professional Summary

Currently pursuing a Bachelors of Data Science with a concentration in Statistical Modeling with advanced mathematical abilities and in-depth understanding of statistical analysis and model building. Knowledgeable about computer programming languages and analytical strategies stemming from advanced classes in Statistics, Mathematics, and Computer Programming. Offering strong critical thinking skills, diligent nature and 5+ years of related experience.

Work History

Data Science Undergraduate Researcher
Mississippi State University, 01/24 - Present

- Executed comprehensive statistical and programmatic analyses across diverse, high-impact projects.
- Optimized the MS Supreme Court Drug Intervention program's monthly data reporting processes.
- Performed an in-depth trend analysis on snow presence across the Northern Hemisphere.

Marketing Assistant
Capstone Real Estate Investments, 01/23 - 12/23

- Resolved issues that arose with residents, from package delivery to terms and compliance of their lease.
- Cross-coordinated with management and maintenance for the renovation process of the property.
- Aided a range of clients to find a space they call home.

USDA Aflatoxin Research Internship
Mississippi State University, 05/23 - 08/23

- Conducted a thorough data analysis of toxins present in USDA Arizona crops.
- Curated a fully accessible dashboard presenting geospatial mapping with Python visualization packages.

Education

Bachelors of Data Science, Statistical Modeling Concentration
Mississippi State University, Expected date of graduation May 2025 (3.9 GPA)
Minor in Statistics
Minor in Computer Science

Achievements

- Vice President of the Data Science Ambassador Program
- Data Science Club founding member
- Honorable Mention, MAS 2023 Research Symposium for USDA Aflatoxin research presentation
- Volunteer member of Statistics Without Borders

Skills

Python Programming	Jupyter Notebook	Data Visualization	Problem-Solving
C++ Programming	Tableau	Data Wrangling	Flexability and Adaptability
R Programming, RStudio	Excel, VBA Macros	Dashboard Development	Project Management

Publications

S. T. Richey et al., "The Reverse-Transition Weighting Filter for Effective Edge Detection for Noisy Color Images," 2023 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2023, pp. 1160-1166, doi: 10.1109/CSCI62032.2023.00190